



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/184,738	11/02/1998	ROBERT M. MORRIS	3042-3	4609

7590 07/29/2005

LAURENCE A WEINBERGER
SUITE 103
882 S MATLACK ST
P O BOX 1663
WEST CHESTER, PA 193800053

EXAMINER

INGBERG, TODD D

ART UNIT	PAPER NUMBER
----------	--------------

2193

DATE MAILED: 07/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/184,738

Applicant(s)

MORRIS ET AL.

Examiner

Todd Ingberg

Art Unit

2193

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 November 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11, 16 - 18, 20-38, 43-45, 47-57 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) 20-22, 25-27, 29, 45, 47-50 is/are allowed.
- 6) ☒ Claim(s) 1, 2, 4, 8, 16 - 18, 23, 24, 28, 30, 31, 35 - 38, 43 - 44 and 51 - 56 is/are rejected.
- 7) ☐ Claim(s) 3, 5-7, 9-11 and 32-34 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 November 1998 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.


TODD INGBERG
PRIMARY EXAMINER

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

Art Unit: 2193

DETAILED ACTION

Claims Status

Claims 1 – 11, 16 – 18, 20-38, 43-45, 47 - 57 have been examined.

Claims 1, 2, 4, 8, 16, 17, 18, 20, 21, 23, 25, 28, 29, 31, 35, 43, 44, 45, 47, 48,

50 and 52 have been amended.

Claims 12-15, 19, 39-42 and 46 have been canceled.

Information Disclosure Statement

1. The information disclosure statement filed January 24, 2002 has been considered.
2. The video tape submitted by the Applicant was ordered from the Artifact folder and was not able to be obtained. The PTO would like a replacement copy.

Oath/Declaration

3. Replacement of the Declaration is compulsory. Examiner notes the form is dated and has been updated by the USPTO to alter the section referencing 1.56. The new Declaration form replaced 1.56(a) with 1.56 to ensure the entire section is being sworn behind. Also, the continuation date is correct but handwritten.

Formal Issues

Art Unit: 2193

4. The Bibliographic Data Sheet has been corrected (internal to the Office) to reflect the effective filing date of November 16, 1994. No action by Applicant is required.

Drawings

5. Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance. The basic test is how do the drawing depict the claimed invention. Is the claimed invention visible in the drawings or is the well known enabling technology present. Providing the environment where the invention is to be executing and/or tangibly embodied is not distinguishable over Prior Art of the technology required to run the invention.

6. Figures 2 – 6 were objected to be the PTO Draftsperson on December 9, 1998 and mailed on June 5, 2001. The plain English explanation is the shading in the screen captures are too dark and are not suitable for printing in a U.S. Patent. Corrective Action is required.

Claim Rejections - 35 USC § 112

7. Claims 1 – 11, 16 – 18, 20-38, 43-45, 47 - 57 are rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for the wrapping of objects in a Development Environment, does not reasonably provide enablement for a broad interpretation of inventing wrappers in the field of Object technology. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to the advancement of wrappers in object technology the invention commensurate in scope with these claims. For Example, the scope of Claim 2 is the field of object technology. The scope of dependent claim 3 is the field of object oriented icons which are used during application development playback. The broad scope of claim 2 with the scope of claim 3 does not provide sufficient support for object oriented icons providing application development playback outside of the unclaimed development environment.

Claim Objections

8. Claims 1, 2, 4, 8, 17, 18, 20 – 23, 25, 26 – 29, 31, 35, 44, 46-50 and 52 - 57 objected to because of the following informalities: Only one period is allowed in the claim. For example, Claim 1

A computer implemented system employing objects for generating an application script, in which both the objects and the script may can be maintained separately, comprising:

- a. means for wrapping objects with additional properties and events beyond those properties and events internal to the object; and
- b. means for utilizing the additional properties and events to link and sequence the objects.

Art Unit: 2193

The claim limitations technically end after the first period

The scope of claim 1 reads

“Claim 1

A computer implemented system employing objects for generating an application script, in which both the objects and the script may can be maintained separately, comprising:

a. “

One way to over come this objection is to amended in a manner similar to the following:

Claim 1

A computer implemented system employing objects for generating an application script, in which both the objects and the script may can be maintained separately, comprising:

[a.] a) means for wrapping objects with additional properties and events beyond those properties and events internal to the object; and

[b.] b) means for utilizing the additional properties and events to link and sequence the objects.

This applies for all the claims with multiple periods.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

9. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

10. Claims 26 and 53 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Examiner finds the term “at least partially concurrently” to be

Art Unit: 2193

indefinite. Although, familiar with concurrent it is not clear what “at least partially concurrently” means.

11. Claims 16 and 31 are rejected for having an indefinite limitation. The limitation “wherein unlimited expansion of program capabilities is achieved.” is not definite. Computers are finite machines with limited amounts of storage. It is unclear what the limitation means.

Claim Rejections - 35 USC § 103

12. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

13. Claims 1, 2, 4, 8, 16 – 18, 23, 24, 28, 30, 31, 35 – 38, 43 – 44 and 51 – 56 are rejected under 35 U.S.C. 103(a) as being unpatentable over “The Xerox **Star**”: A Retrospective, by Jeff Johnson et al published September 1989, IEEE Computer in view of USPN #5,619,637 Henshaw et al filed December 2, 1993 (referred to as **Wrapper**).

Claim 1

A computer implemented system employing objects for generating an application script, in which both the objects and the script may can be maintained separately, comprising:

- a. means for wrapping objects with additional properties and events beyond those properties and events internal to the object; and
- b. means for utilizing the additional properties and events to link and sequence the objects.

Art Unit: 2193

Examiner's Response

Star teaches generating an application script (Star, page 4, transferred into documents" – the text created for objects). Star also on page 4 mentions the ability to edit in Star and the format is text files (as in residing on disk in a directory in a text file able to be edited by a separate word processor). Furthermore, the mention of editors such as Word which can be used to edit text files separate of the Star environment. Star does not explicitly teach the wrapping of objects. It is Wrapper who uses container objects to wrap objects within the graphical user interface (Wrapper, Abstract). An object by definition is attributes and the methods to perform operations on those attributes. The limitations of "with additional properties (attributes) and events (methods which produce messages) is met by the use of container objects. The content of the container object (holding an object or objects, Wrapper, col. 1, lines 50 - 64) may have the content displayed (Col 2, lines 1 – 20) and sequence arranged (Wrapper, Figure 5, col 5, lines 20 – 33 and Star Figure 4, page 11). Star teaches a development environment with icons which are text based and able to be manipulated internal to Star or by editing the text file by word processor and Wrapper teaches a means of wrapping objects in a container object there by adding attributes and methods. Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to combine Star and Wrapper because, wrapped objects enable iconic programming in a Graphical User Interface environment.

Claim 2

A computer implemented system employing objects for generating an application script, in which both the objects and the script can be maintained separately, representing a program structure comprising:

Art Unit: 2193

- a. means for simultaneously displaying a plurality of different representations of the program structure; and
- b. means for manipulating the program structure within each of the different representations wherein the representations of the program structure may be synchronized.

Examiner's Response

As per claim 1 and Star Figure 1.

Claim 4

A computer implemented system employing objects and utilizing a script, in which both the objects and the script can be maintained separately, comprising:

- a. a development environment and an interpreting run time environment; and
- b. means for utilizing objects by specifying property values according to the script.

Examiner's Response

As per claim 1 – The development environment as depicted in the Star reference and the ability to interpret icons in that environment.

Note: no limitations are present to executing the model.

Claim 8

A computer implemented system employing objects and utilizing a script, in which both the objects and the script can be maintained separately, comprising:

- a. a development environment and an interpreting run time environment that have no logical or **arithmetic operators**; and
- b. means for utilizing objects by specifying property values according to the script.

Art Unit: 2193

Examiner's Response

Bold indicates the limitation met by the rejection in view of the OR.

As per claim 1 – The icon does not require the presence of an **arithmetic operators**.

Claim 16

The system of claim 4, 5, 6, 7, 8, 9, 10, or 11 further comprising a means for adding additional programming constructs by employing objects that perform the function of programming constructs wherein unlimited expansion of program capabilities is achieved.

Examiner's Response

Bold indicates the claim the current limitation is dependent on for purposes of rejection.

As per the rejection of claim 1.

Claim 17

A computer implemented system employing objects and interpreting a script in which both the objects and the script may can be maintained separately, comprising:

- a. a run time program; and
- b. means for utilizing objects according to the script.

Examiner's Response

As per claim 1. The Star system is a runtime program.

Claim 18

A computer implemented system employing objects and interpreting a script in which both the objects and the script may can be maintained separately, comprising:

- a. a run time program that has neither **arithmetic** nor logical operators; and
- b. means for utilizing objects according to the script.

Art Unit: 2193

Examiner's Response

As per the rejections for claims 1, 8 and 17

Claim 23

A computer implemented run time system employing objects which interprets a script containing property values and event settings, in which both the objects and the script may can be maintained separately, and dynamically executes objects comprising:

- a. means for wrapping objects with additional properties and events beyond those properties and events internal to the objects;
- b. means for utilizing the additional properties and events to link and sequence the objects; and
- c. means for reading one or more sets of property values and event settings maintained separately from the run time system and the objects wherein the execution of the objects is determined by the property values and event settings in the script.

Examiner's Response

As per claim 1.

Claim 24

The system of claim 23 further comprising means for adding programming constructs or sub-languages utilizing objects.

Examiner's Response

As per claim 1.

Art Unit: 2193

Claim 28

A computer implemented software method employing objects for generating an application script, in which both the objects and the script may can be maintained separately, comprising the steps of:

- a. wrapping objects with additional properties and events beyond those properties and events internal to the object; and
- b. utilizing the additional properties and events to link and sequence the objects.

Examiner's Response

As per claim 1.

Claim 30

The software method of claim 29 further comprising the step of highlighting the icon for each object in the representations as objects are being instantiated during application development run time preview.

Examiner's Response

As per claim 1 and Star page 9 see figure 2.

Claim 31

A computer implemented software method employing objects and utilizing a script, in which both the objects and the script can be maintained separately, comprising the steps of

- a. utilizing a development environment and an interpreting run time environment; and
- b. utilizing objects by specifying property values according to the script.

Examiner's Response

As per the rejection for claim 4.

Art Unit: 2193

Claim 35

A computer implemented software method employing objects and utilizing a script, in which both the objects and the script may can be maintained separately, comprising the steps of;

- a. utilizing a development environment and an interpreting run time environment that have no logical or arithmetic operators; and
- b. utilizing objects by specifying property values according to the script.

Examiner's Response

As per the rejection for claim 4.

Claim 36

The software method of claim 35 further comprising the step of communicating among objects through the exchange of property values.

Examiner's Response

As per claim 1. Not interpreted to be executing just establishing the messaging via methods.

Claim 37

The software method of claim 36 further comprising the step of communicating among objects wherein an event generated by an object triggers an instance of another object.

Examiner's Response

As per claim 1. Not interpreted to be executing just establishing the messaging via methods.

Object Oriented technology inherently provides for attributes, methods, messages by definition.

Claim 38

The software method of claim 35 further comprising the step of communicating among objects wherein an event generated by an object triggers an instance of another object.

Art Unit: 2193

Examiner's Response

As per claim 37.

Claim 43

The software method of claim **31**, 32, 33, 34, 35, 36, 37, or 38 further comprising the step of adding additional programming constructs by employing objects that perform the function of programming constructs wherein unlimited expansion of program capabilities is achieved.

Examiner's Response

As per claim 16.

Claim 44

A computer implemented software method employing objects and interpreting a script in which both the objects and the script may can be maintained separately, for executing an application comprising the steps of

- a. utilizing a run time program; and
- b. utilizing objects according to the script.

Examiner's Response

As per claim 17.

Claim 51

The software method of claim 50 further comprising the step of **adding programming constructs** or sub-languages utilizing objects.

Bold indicates the portion of the OR met by the rejection.

Examiner's Response

Adding text as per claim 1 with a wrapper.

Art Unit: 2193

Claim 52

A computer implemented software method which interprets a script, which can be maintained separately, containing property values and event settings , which may maintain that distributes processing to objects, provides and manages data flow among objects, and manages the execution of objects comprising the steps of:

- a. wrapping objects with additional properties and events beyond those properties and events internal to the object; and
- b. utilizing the additional properties and events to link and sequence the objects wherein the execution of the objects is determined by the property values and events.

Examiner's Response

As per claim 1. The distributes processing to objects, provides and manages data flow among objects, and manages the execution of objects is deemed to be claim pre-runtime of the model.

Claim 53

A computer implemented software method employing objects which implements parallel processing comprising the steps of:

- a. wrapping objects with additional properties and events beyond those properties and events provided internal to the object;
- b. utilizing the additional properties and events to link and sequence the objects; and
- c. specifying the temporal relationship among objects by placing the objects on one or more time lines wherein execution of the objects occurs at least partially concurrently and during which property values may be exchanged among the objects and events may be initiated.

Examiner's Response

Art Unit: 2193

As per claim 23.

Claim 54

A computer implemented object oriented software programming method in which the function of programming constructs is achieved by dynamically executing objects comprising the steps of:

- a. wrapping objects with additional properties and events beyond those properties and events provided internal to the object;
- b. utilizing the additional properties and events to link and sequence the objects; and
- c. specifying a list of property values and event settings wherein the execution of the objects is determined by the list of property values and event.

Examiner's Response

As per claim 1.

Claim 55

A computer implemented software method providing a general solution for employing standardized objects with properties not internal to the standardized objects comprising the steps of

- a. wrapping standardized objects with additional properties beyond those properties internal to the standardized object; and
- b. utilizing the additional properties to control the standardized objects.

Examiner's Response

As per claim 1 – the standard being the container objects ability to communicate with objects within.

Art Unit: 2193

Claim 56

A computer implemented software method providing a general solution for employing standardized objects with events not internal to the standardized objects comprising the steps of:

- a. wrapping standardized objects with additional events beyond those events internal to the standardized object; and
- b. utilizing the additional events to control the standardized objects.

Examiner's Response

As per claim 1. Ability to interact with objects not in the container.

Claim 57

A computer implemented software method providing a general solution for employing standardized objects with properties and events not internal to the standardized objects comprising the steps of

- a. wrapping standardized objects with additional properties and events beyond those properties and events internal to the standardized object; and
- b. utilizing the additional properties and events to control the standardized objects.

Examiner's Response

As per claim 55.

Allowable Subject Matter

14. Claims 20, 21, 22, 25, 26*, 27, 29, 45, 47 – 50 are allowed.

* - indicates claim under another ground of rejection.

Art Unit: 2193

Current prior art of record fails to disclose the claim limitations when taken together or separately. The combined limitations includes instantiating object. Prior art of record does not include the run time environment to support the instantiating of objects as clearly claimed.

Claim 20

A computer implemented development and run time system employing objects which utilizes a script, in which both the objects and the script can be maintained separately, utilizing a minimum set of core functionalities comprising:

- a. **means for instantiating objects;**
- b. means for integrating objects;
- c. means for sequencing objects; and
- d. **means for providing communication among objects wherein the functionalities performed by the system during execution are determined by the objects used and the script.**

Claim 21

A computer implemented run time system employing objects utilizing a minimum set of core functionalities which interprets a script, in which both the objects and the script may can be maintained separately, comprising:

- a. **means for instantiating objects;**
- b. means for integrating objects;
- c. means for sequencing objects; and
- d. **means for providing communication among objects; wherein the functionalities performed by the system during execution are determined by the objects used and the script.**

Art Unit: 2193

Claim 22

A computer implemented system for employing objects, having property values and event connections, which **can be set in time and turned on or off of a visually perceptible display device** comprising:

- a. means for setting the values of properties and connecting events;
- b. means for recording and maintaining a history of a plurality of properties settings and event connections as the settings and connections are changed; and
- c. **means for traversing the history one change at a time wherein the property values and event**

Claim 25

A computer implemented system which interprets a script, which can be maintained separately containing property values and event settings, separate; that **distributes processing to objects, provides and manages data flow among objects, and manages the execution of objects** comprising:

- a. means for wrapping objects with additional properties and events beyond those
- b. means for utilizing the additional properties and events to link and sequence the objects **wherein the run time execution of the objects** is determined by property values and events.

Claim 26 – (Provided the rejection under 112 second is over come)

A computer implemented system employing objects which **implements parallel processing** comprising:

- a. means for wrapping objects with additional properties and events beyond those properties and events provided internal to the object;

Art Unit: 2193

- b. means for utilizing the additional properties and events to link and sequence the objects; and
- c. means for specifying the temporal relationship among objects by placing the objects on one or more time lines wherein execution of the objects occurs at least partially concurrently and during which property values may be exchanged among the objects and events may be initiated.

Claim 27

An object oriented programming computer implemented system in which the function of programming constructs is achieved by dynamically executing objects comprising:

- a. means for wrapping objects with additional properties and events beyond those properties and events provided internal to the object;
- b. means for utilizing the additional properties and events to link and sequence the objects; and
- c. means for specifying a list of property values and event settings **wherein the execution of the objects is determined by the list of property values and event settings.**

Claim 29

A computer implemented software method employing objects for generating an application script, in which both the objects and the script may can be maintained separately, representing a program structure comprising the steps of

- a. simultaneously displaying a plurality of different representations of the program structure; and
 - b. means for manipulating the program structure within each of the different representations
- wherein the **representations of the program structure may be synchronized.**

Claim 45

Art Unit: 2193

A computer implemented software method employing objects and interpreting a script in which both the objects and the script may can be maintained separately, for **executing an application comprising the steps of**

- a. utilizing a run time program that has neither arithmetic nor logical operators; and
- b. utilizing objects according to the script.

Claim 47

A computer implemented development and run time software method employing objects for developing and executing an application which utilizes a script, in which both the objects and the script may can be maintained separately, and utilizing a minimum set of core functionalities comprising the steps of:

- a. **instantiating objects;**
- b. integrating objects;
- c. sequencing objects; and
- d. providing communication among objects wherein the functionalities performed by the software method during execution are determined by the objects used and the script.

Claim 48

A computer implemented run time software method employing objects for executing an application utilizing a minimum set of core functionalities which interprets a script, in which both the objects and the script may can be maintained separately, comprising the steps of:

- a. **instantiating objects;**
- b. integrating objects;
- c. sequencing objects; and

Art Unit: 2193

d. providing communication among objects; wherein the functionalities performed by the software method during execution are determined by the objects used and the script.

Claim 49

A computer implemented software method for employing objects, having property values and event connections, which **can be set in time and turned on or off of a visually perceptible display device** comprising the steps of:

- a. setting the values of properties and connecting events;
- b. recording and maintaining a history of a plurality of properties settings and event connections as the settings and connections are changed; and
- c. traversing the history one change at a time wherein the property values and event connections may be edited from any point in the history.

Claim 50

A computer implemented run time software method employing objects which interprets a script containing property values and event settings, in which both the objects and the script may can be maintained separately, **and dynamically executes the objects** comprising the steps of:

- a. wrapping objects with additional properties and events beyond those properties and events internal to the objects;
- b. utilizing the additional properties and events to link and sequence the objects; and
- c. reading one or more sets of property values and event settings maintained separately from the run time system and the objects wherein the execution of the objects is determined by the property values and event settings in the script.

Allowable Subject Matter

15. Claims 3, 5 - 7, 9 - 11 and 32 - 34 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. These claims contain the runtime aspect of running the model. The current prior art of record contains the modeling aspect in an interpreted environment.

Claim 3

The system of claim 2 further comprising a means for highlighting the icon for each object in the representations as objects are being instantiated during application development playback review.

Claim 5

The system of claim 4 further comprising a means for communicating among objects through the exchange of property values.

Claim 6

The system of claim 5 further comprising a means for communicating among objects wherein an event generated by an object triggers an instance of another object.

Claim 7

The system of claim 4 further comprising a means for communicating among objects wherein an event generated by an object triggers an instance of another object.

Claim 9

The system of claim 8 further comprising a means for communicating among objects through the exchange of property values.

Art Unit: 2193

Claim 10

The system of claim 9 further comprising a means for communicating among objects wherein an event generated by an object triggers an instance of another object.

Claim 11

The system of claim 8 further comprising a means for communicating among objects wherein an event generated by an object triggers an instance of another object.

Claim 32

The software method of claim 31 further comprising the step of communicating among objects through the exchange of property values.

Claim 33

The software method of claim 32 further comprising the step of communicating among objects wherein an event generated by an object triggers an instance of another object.

Claim 34

The software method of claim 31 further comprising the step of communicating among objects wherein an event generated by an object triggers an instance of another object.

Examiner's Observation

16. The claims are not entirely directed toward the intended use of the invention as wrapping objects for a Development Environment. They are deemed not commensurate with the scope of invention and are interpreted in the broadest reasonable interpretation in view of the Specification's support and the scope of claim language in view of the Specification's disclosure of the intended use of the invention. Furthermore, amendment to the preamble of part of the

Art Unit: 2193

claims could lead to a Restriction. Where part of the claims are directed toward the intent of the invention and part directed toward the field of Object technology. It is the perception of this Examiner this issue has and will impact pendency of the application.

Conclusion

17. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Patent

5,613,058 Effective file date December 1, 1992 Assignee Microsoft

Correspondence Information

18. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Todd Ingberg whose telephone number is (571) 272-3723. The examiner can normally be reached on during the work week..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (571) 272-3719. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Art Unit: 2193

A handwritten signature in black ink, appearing to read 'Todd Ingberg', with a long, sweeping horizontal line extending to the right.

Todd Ingberg
Primary Examiner
Art Unit 2124

TI